

Evaluation Report for Category B, Subcategories 3.1, 3.3 Application

Application Number: 2017-6699
Application: Changes to Product Labels-Application Rate Increase; Application Number or Frequency
Product: USF0728 325 SC Fungicide
Registration Number: 31435
Active ingredients (a.i.): Prothioconazole, Trifloxystrobin
PMRA Document Number : 2942117

Purpose of Application

The purpose of this application was to amend the label of USF0728 325 SC Fungicide to add a treatment rate range on winter wheat and to increase the treatment rate and reduce the number of applications per season for control of labelled diseases on other labelled cereals (wheat (spring and durum), barley, oat, rye, triticale and millet).

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The use of USF0728 325 SC Fungicide on wheat (spring, durum and winter), barley, oat, rye, triticale and millet is not expected to result in risks of concern for chemical handlers, post-application workers, and bystanders provided that the product is used according to the approved label directions.

No new residue data for prothioconazole or trifloxystrobin in cereals were submitted to support this application. Previously reviewed residue data from field trials conducted in/on cereals were reassessed in the framework of this petition. In addition, processing studies in treated cereals were also reassessed to determine the potential for concentration of residues of prothioconazole and trifloxystrobin into processed commodities.

The use does not represent health risks of concern for any segment of the population, including infants, children, adults and seniors.

A toxicology assessment was not required for this application.

Environmental Assessment

The changes to the cereal crop use pattern for USF0728 325 SC Fungicide are within the registered rates for the same crops and are therefore acceptable from an environmental protection perspective. New buffer zones have been calculated for the crops with the new application rate.

Value Assessment

USF0728 325 SC Fungicide is registered for the control of various pathogens on winter, spring, and durum wheat, as well as on barley, oats, rye, triticale, and millet. The results of seven Canadian efficacy trials and scientific rationales were provided to support the use of the product at 572 mL/ha in these listed crops. The value information demonstrated that a single application of USF0728 at 572 mL/ha provided disease control on spring wheat, barley and oats. This can be extrapolated to rye, triticale, millet, and durum wheat. For winter wheat, value information supported a rate range of 440-572 mL/ha.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the amendments to the label of USF0728 325 SC Fungicide.

References

PMRA Document Number	Reference
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2572745	AHETF, 2015. Agricultural Handler Exposure Scenario Monograph: Open Pour Mixing and Loading of Liquid Formulations. Report Number AHE1003-1. March 31, 2015.
2172938	AHETF, 2012. Agricultural Handler Exposure Scenario Monograph: Closed Cockpit Aerial Application of Liquid Sprays. Report Number AHE1007. January 20, 2012.
2115788	Agricultural Reentry Task Force (ARTF). 2008. Data Submitted by the ARTF to Support Revision of Agricultural Transfer Coefficients. Submission #2006-0257. Excel version 02.15.2016.
2817910	2017, Value Assessment of USF0728 325 SC Fungicide - Data supporting a higher use-rate for foliar disease control in small-grain cereals -, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.2.3.3(D),10.3.1,10.3.2(B),10.4,10.5.1,10.5.2,10.5.3
2817911	2017, Value Assessment of USF0728 325 SC Fungicide - Data supporting a higher use-rate for foliar disease control in small-grain cereals -, DACO: 10.2.3.1
2817912	2017, Value Assessment of USF0728 325 SC Fungicide - Data supporting a higher use-rate for foliar disease control in small-grain cereals - Compilation of Trial Reports, DACO: 10.2.3.3(D),10.3.2(B)
2817913	2017, Value Assessment of USF0728 325 SC Fungicide - Data supporting a higher use-rate for foliar disease control in small-grain cereals -, DACO: 10.3.1

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